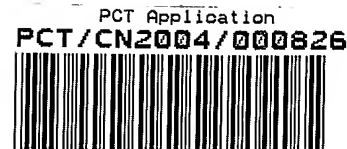


# Translation

## PATENT COOPERATION TREATY

# PCT



### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference PCT041099GZY		<b>FOR FURTHER ACTION</b> See Form PCT/IPEA/416	
International application No. PCT/CN2004/000826	International filing date (day/month/year) 19 Jul.2004 (19.07.2004)	Priority date (day/month/year)	
International Patent Classification (IPC) or national classification and IPC See supplemental box			
Applicant YUXI JINCAN SCIENCE AND TECHNOLOGY CO.,LTD.etc.			
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows:</p> <p><input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____, containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>			
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the report</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>			
Date of submission of the demand 13 Feb.2006 (13.02.2006)		Date of completion of this report 26 Oct.2006(26.10.2006)	
Name and mailing address of the IPEA/CN The State Intellectual Property Office, the P.R.China, 6 Xitucheng Rd., Jimen Bridge, Haidian District, Beijing, China 100088 Facsimile No. 86-10-62019451		Authorized officer  <b>Xiying</b>  Telephone No. (80-10) 62085497	

**Box No. I Basis of the report**1. With regard to the **language**, this report is based on:

- ☒ the international application in the language in which it was filed
- ☐ a translation of the international application into \_\_\_\_\_, which is the language of a translation furnished for the purposes of:
- ☐ international search (Rules 12.3(a) and 23.1(b))
- ☐ publication of the international application (Rule 12.4(a))
- ☐ international preliminary examination (Rules 55.2(a) and/or 55.3(a))

2. With regard to the **elements** of the international application, this report is based on (*replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report*):

- ☒ the international application as originally filed/furnished
- ☐ the description:
- pages \_\_\_\_\_ as originally filed/furnished
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the claims:
- pages \_\_\_\_\_ as originally filed/furnished
- pages \* \_\_\_\_\_ as amended (together with any statement) under Article 19
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ the drawings:
- pages \_\_\_\_\_ as originally filed/furnished
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- pages \* \_\_\_\_\_ received by this Authority on \_\_\_\_\_
- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/figs \_\_\_\_\_
- ☐ the sequence listing (*specify*): \_\_\_\_\_
- ☐ any table(s) related to sequence listing (*specify*): \_\_\_\_\_

\* If item 4 applies, some or all of those sheets may be marked "superseded."

## INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.  
PCT/CN2004/000826**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

## 1. Statement:

Novelty (N)

Claims 1-7 YES

Claims None NO

Inventive step (IS)

Claims 1-7 YES

Claims None NO

Industrial applicability (IA)

Claims 1-7 YES

Claims None NO

## 2. Citations and explanations (Rule 70.7)

Reference is made to the following document:

D1: Document 1, CN2043219U (THE PACKING AND DECORATING PLANT OF CHONGQING COUNTY, SICHAN) 23 Aug.1989 (23.08.1989), mainly references the description from page 3 line 6 to page 4 line 6, fig.2.

## 1. Novelty

D1 is the closest prior art document of the claim 1, but the claim 1 differs from D1 in that the punch mechanism is composed of two or more electrode matrixes and each electrode matrix is made up of a plurality of electrode bars longitudinally arrayed, which form an angle  $\alpha$  with respect to the movement direction of the substrate. Therefore, claim 1 meets the requirements of PCT Article 33(2).

Claims 2-7 meet the requirements of PCT Article 33(2) because they concern preferred embodiments of the claim 1 respectively.

## 2. Inventive step

Claim 1 meets the requirements of PCT Article 33(3) because D1 didn't teach that the punch mechanism is composed of two or more electrode matrixes and each electrode matrix is made up of a plurality of electrode bars longitudinally arrayed, which form an angle  $\alpha$  with respect to the movement direction of the substrate in the claimed device of claim 1.

Claims 2-7 meet the requirements of PCT Article 33(3) because they concern preferred embodiments of the claim 1 respectively.

## 3. Industrial applicability

The invention of claims 1-7 can find industrial applicability in the technical field of the punch device for substrate with large breadth and small thickness, and thus meet the requirements of Article 33(4) PCT.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/CN2004/000826

**Supplemental Box**

In case the space in any of the preceding boxes is not sufficient.

Continuation of: International Patent Classification (IPC) or national classification and IPC

B26F1/00 (2006.01) i

B26F1/28 (2006.01) i

A24C5/00 (2006.01) i